

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/039931 A1

(51) International Patent Classification⁷: C11D 3/37

(74) Common Representative: JOHNSON DIVERSEY, INC.; M/S 509, 8310 16th Street, Sturtevant, WI 53177-0902 (US).

(21) International Application Number:
PCT/US2003/033396

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 21 October 2003 (21.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2002-310790 25 October 2002 (25.10.2002) JP
2003-356224 16 October 2003 (16.10.2003) JP

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): JOHN-SONDIVERSEY, INC. [US/US]; M/S 509, 8310 16th Street, Sturtevant, WI 53177-0902 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): YAGHI, Mari [JP/JP]; c/o Johnson Professional KK, Yamashita-cho SSK Bldg., 22 Yamashita-cho, Naka-ku, Yokohama City, Kanagawa 231-8691 (JP). SADO, Mitsuo [JP/JP]; c/o Johnson Professional KK, Yamashita-cho SSK Bldg., 22 Yamashita-cho, Naka-ku, Yokohama City, Kanagawa 231-8691 (JP). ABE, Yuki [JP/JP]; c/o Johnson Professional KK, Yamashita-cho SSK Bldg., 22 Yamashita-cho, Naka-ku, Yokohama City, Kanagawa 231-8691 (JP).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/039931 A1

(54) Title: ANTI-SOILING DETERGENT COMPOSITION

(57) Abstract: To provide an anti-soiling detergent composition that has excellent detergency, endows cleaned surfaces with a pronounced anti-soiling effect, effectively sustains the anti-staining effect, possesses superb storage stability, and can be used on restrooms, sinks, baths, and other damp, hard surfaces. The anti-soiling detergent composition contains (A) 0.05 to 10 mass% of a polyetheramide-modified organopolysiloxane and/or amino-modified organopolysiloxane, (B) 0.1 to 30 mass% of a specific surfactant, (C) 0.1 to 20 mass% of a metal chelating agent, and (D) water.